Selective and integrated vector control measures with appropriate insecticides in rural areas and with larvicides in urban areas;

Promotion of personal protection methods like use of medicated mosquito nets;

Early detection and containment of epidemics;

Enhanced information, Education and Communication activities to create large-scale public awareness and participation for prevention and control of malariogenic conditions;

Institutional and Management Capacity Building, Trained Manpower Development and efficient Management, Information System;

Further, an Enhanced Malaria Control Project with World Bank Support to cover 100 identified hardcore tribal predominant districts of 7 peninsular States namely Andhra Pradesh, Bihar (10 districts), Gujarat, Maharashtra, Madhya Pradesh, Rajasthan and Orissa (22 districts) as well as 19 towns/cities including Calcutta having endemicity of malaria is being implemented since September, 1997.

Recognition of dental degrees of foreign universities by D.C.I.

1139. SHRI GOVINDRAM MIRI: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether Dental Council of India and/or the Ministry has accorded recognition to some dental degrees both undergraduate and post-graduate of foreign universities/colleges, enabling them to practise in India;

(b) if so, the names of such universities, colleges and degrees recognised; and

(c) the detailed procedure for foreign/Indian dental degree holders of unrecognised universities/colleges following which they can be entitled to practise in India?

THE MINISTER OF STATE OF THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI DALIT EZHILMALAI): (a) and (b) Details of recognised Dental Qualifications, conferred by foreign Universities are given in the statement (*See* below).

(c) Graduates holding degrees in Dentistry from foreign Universities or Indian Universities not recognise by the Central Government are not eligible to be registered as Dentists as provided for in the Dentists' Act, 1948.

ANNEXURE-I

Statement

Dentists (Act 16 of 1948)

(The Schedule)

PART II

[*See* sub-section (3) of section 10]

Recognised Dental Qualifications for the purposes of registration when the register is first prepared

	Authority or Institution	Recognisd dental qualification	Abbreviation for registration
	1	2	3
1.	The University of Vienna (Austria)	Post-graduate Certificate of Dentistry	Z.D.S. (Vienna).
2.	The Tulane University of Louisinna (U.S.A.)	Doctor of Dental Surgery	D.D.S. (Louisinna) U.S.A.
3.	Dusseldorf (Germany)	Zahnarzt Diploma	

PART III

[*See* sub-section (4) of section 10]

Recognised Dental Qualifications granted by Authorities or Institutions outside India only when granted to a citizen of India

	Authority or Institution	Recognisd dental qualification	Abbreviation for registration
	1	2	3
1.	The University of Punjab, Lahore	Bachelor of Dental surgery Master of Dental Surgery —if granted before the 15th day of August, 1947.	B.D.S. Lahore. M.D.S. Lahore.
2.	The Punjab State Medical Faculty, Lahore	Licentiate in Dental Science —if granted before the 15th day of August, 1947.	L.D.Sc. (S.M.F.) Lahore
3.	The Board of Examiners, College of Dentistry, Karachi.	Licentiate in Dental Science —if granted before the 31st day of December, 1943.	L.D.Sc. Karachi.
4.	The Royal College of surgeons, England (U.K.)	Licentiate in Dental Surgery Fellowship in Dental Surgery Diploma in Orthodontic	L.D.S.R.C.S. Eng. F.D.S.C.R.C.S. Eng. D. Orth. R.C.S. Eng.
5.	The Royal College of Surgeons, Edinburgh (U.K.)	Licentiate in Dental Surgery Fellow in Detal Surgery	L.D.S.R.C.S. Edin. F.D.S.R.C.S. Edin.
6.	Royal College of Physicians and Surgeons of Glasgow/Royal Faculty of Physicians and Surgeons, Glasgow (U.K.)	Licence in Dental Surgery Diploma in Orthopaedics Fellowship in Dental Surgery Hingher Dental Diplomate —granted only up to 1965.	L.D.S.R.C.P.S.G. D.D.O.R.C.P.S.G. F.D.S.R.C.P.S.G. H.D.D.
7.	The Royal College of Surgeons, Ireland.	Licence in Dental Surgery Fellowship of the Faculty of Dentistry.	L.D.S.R.C.S. Irel. F.F.D.R.C.S. Irel.
8.	The University of Newcastle Upon Tyne/The University of Durham, Newcastle Upon Tyne (U.K.)	Licence in Dental Surgery Bachelor of Dental Surgery Master of Dental Surgery Doctor of Dental Science —abolished from 1962.	L.D.S. Dunelm. B.D.S. Newcastle/Dunelm. M.D.S. Newcastle/Dunelm. D.D.S. Newcastle/Dunelm.
9.	The University of London (U.K.)	Bachelor of Dental surgery Master of Dental Surgery Master of Science (Dentistry)	B.D.S. London. M.D.S. London. M.Sc. London.
10.	The University of Manchester (U.K.)	Doctor of Dental Surgery Master of Dental Surgery Bachelor of Dental Surgery Licentiate in Dental Surgery	D.D.S. (U. Manc.) M.D.S. (U. Manc.) B.D.S (U. Manc.) L.D.S. (U. Manc.)
11.	The University of Birmingham (U.K.)	Bachelor of Dental Surgery Master of Dental Surgery Licence of Dental Surgery —abolished from 1950.	B.D.S. Birmingham. M.D.S. Birmingham. L.D.S. Birmingham.
12.	The University of Liverpool (U.K.)	Bachelor of Dental Surgery Master of Dental Surgery Doctor of Philosophy	B.D.S. Liverpool. M.D.S. Liverpool. Ph.D. Liverpool.
		Licence in Dental Surgery —abolished in 1963.	L.D.S. Liverpool.

	1	2	3
13.	The University of Leeds (U.K.)	Bachelor of Dental Surgery Diploma in Dental Surgery Master of Dental Surgery	B.Ch.D.U. Leeds. L.D.S.U. Leeds. M.Ch.D.U. Leeds.
14.	The University of Sheffield (U.K.)	Bachelor of Dental Surgery Master of Dental Surgery Licentiate of Dental Surgery	B.D.S.U. Sheff. M.D.S.U. Sheff. L.D.S.U. Sheff.
15.	The University of Bristol (U.K.)	Bachelor of Dental Surgery Diploma in Dental Surgery Master of Dental Surgery	B.D.S.U. Brist. L.D.S.U. Brist. M.D.S.U. Brist.
16.	The University of Dundee/University of St. Andrews, Dundee (U.K.)	Bachelor of Dental Surgery Master of Dental Surgery Doctor of Dental Sciences Diploma in Public Dentistry Diploma in Dental Surgery —abolished in 1950.	B.D.S.U. Dundee/St. And. M.D.S.U. Dundee/St. And. D.D.Sc. U. Dundee/St. And. D.P.D.U. Dundee/St. And. L.D.S.U. St. And.
17.	The Queen's University of Belfast (U.K.)	Bachelor of Dental Surgery Master of Dental Surgery Licentiate in Dental Surgery —abolished	B.D.S. Q.U. Belf. M.D.S. Q.U. Belf. L.D.S. Q.U. Belf.
18.	The National University of Ireland, Dublin.	Bachelor of Dental Surgery Master of Dental Surgery	B.D.S.N.U. Irel. M.D.S.N.U. Irel.
19.	The Emory University, Atlanta (U.S.A.) Atlanta Southern Dental College, Atlanta, Georgia (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry	D.D.S. Atlanta. M.S.D. Atlanta.
20.	University of Illinois, Chicago (U.S.A.)	Degree of Dental Surgery Master of Science	D.D.S. Illinois. M.S. Illinois.
21.	Lyola University, Chicago (U.S.A.)	Doctor of Dental Surgery Master of Science in Oral Biology.	D.D.S. Lyola. M.S. Lyola.

Dentists

(The Schedule)

(Act 16 of 1948)

	1	2	3
22.	North-Western University, Chicago, Jllinois (U.S.A.)	Doctor of Dental Surgery Master of Science Master of Science in Dentistry —discontinued in 1959.	D.D.S. North-Western. M.S. North-Western. M.S.D. North-Western.
23.	Indiana University, Indianapolis, Indiana (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry	D.D.S. Indiana. M.S.D. Indiana.
24.	College of Dentistry, University of Iowa City, Iowa (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Iowa. M.S. Iowa.
25.	Harvard University, Boston, Maschusett. (U.S.A.)	Doctor of Dental Medicine	D.M.D. Harvard.
26.	University of Nebraska, Omaha, Nebraska (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry	D.D.S. Nebraska. M.S.D. Nebraska.
27.	Columbia University, New York City (U.S.A.)	Doctor of Dental Surgery	D.D.S. Columbia.

1	2	3	
28.	University of Pennaylvania Phliodelphia, Pennsylvanis (U S.A.)	Doctor of Dental Surgery Doctor of Dental Medicine —abolished in 1964.	D.D.S. Penn. D.M.D. Penn.
29.	The University of Texas at Houston, Texas Dental College, Houston (U.S.A.)	Doctor of Dental Surgery	D.D.S. Texas.
30.	University of Minnesota (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry Doctor of Philosophy	D.D.S. Minnesota. M.S.D. Minnesota. Ph.D. Minnesota.
31.	Saint Louis University, Missouri (U.S.A.)	Doctor of Dental Surgery	D.D.S. St. Louis.
32.	University of Michigan (U.S.A.)	Doctor of Dental Surgery Master of Science Doctor of Philosophy	D.D.S. Michigan. M.S. Michigan. Ph.D. Michigan.
33.	Tuits University, Tufts College, Boston (U.S.A.)	Doctor of Dental Medicine Master of Science Master of Dental Science Doctor of Philosophy	D.M.D. Tufts. M.S. Tufts. M.D.S. Tufts. Ph.D. Tufts.
34.	The University of Toronto, Ontario (Canada)	Doctor of Dental Surgery Diploma in Dental Public Health Diploma in Oral Surgery and Anaesthesia Diploma in Paedodontics Diploma in Orthodontics Diploma in Periodontics Bachelor of Science in Dentistry Master of Science in Dentistry Doctor of Philosophy	D.D.S. Toronto. D.D.P.H. Toronto. Dip. Oral Surg. Toronto. Dip. Paedodont. Toronto. Dip. Orthodont. Toronto. Dip Periodont. Toronto. B.Sc.D. Toronto. M.Sc.D. Toronto. Ph.D. Toronto.
35.	McGill, University, Montreal (Canada)	Doctor of Dental Surgery	D.D.S. McGill.
36.	Deutsche Zahnaerztliche Universitaets Indstitute, Bonn (Germany)	Diploma	
37.	Deutsche Zahnaerztilche Universitaets Institute, Munch (Germany)	Diploma	
38.	Ecole Dontaire de Paris, Paris	Chirugein Dentiste (Diploma of Dental Surgeon)	D.E.D.P. Paris.
39.	Ecole Dentaire Francaise, Paris	Diploma of Dental Surgeon	D.E.D.F. Paris.
40.	American Dental College, Karachi.	Licentiate in Dental Science —if granted on or before the 31st December, 1936.	L.D.Sc. Karachi.
41.	The Faculty of Medicine, University of Vienna (Austria)	The qualification of dental specialist granted by the Faculty of Medicine, University of Vienna, after two years' course in dentistry prior to which the M.D. Degree of that University has been obtained.	
42.	University of Berlin (Germany)	Zahnaerzt Diploma Doctor Medicinae Dentariar.	Dr. Med. Dent.
43.	University of Freiburg (Germany)	Zahnaerzt Diploma	

1	2	3
44.	University of Frankfurt (Germany)	Doctor Medicinae Dentariae	Dr. Med. Dent.
45.	Baltimore College of Dental Surgery, University of Maryland (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Maryland. M.S. Maryland.
46.	University of Rostock (Germany)	Doctor Medicinae Dentariae	Dr. Med. Dent.
47.	University of Detroit (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Detroit. M.S. Detroit.
48.	University of Rochestes (U.S.A.)	Doctor of Philosophy	Ph.D. Rochester.
49.	University of Edinburgh (U.K.)	Bachelor of Dental Surgery	B.D.S. Edin.
50.	Punjab Dental College/Dental and Optica College, Lahore (Now defunct)	Licentiate of Dental Science Diploma Bachelor of Dental Science Diploma —if granted on or before the 14th August, 1947.	L.D.Sc. Lahore. B.D.Sc. Lahore.
51.	Tokyo Medical and Dental University, Tokyo (Japan)	Dr. of Medical Science —Operative Dentistry	D.M.Sc. Igakuhakushi.
52.	University of New Zealand, Wellington, New Zealand.	Master of Dental Surgery	M.D.S. New Zealand.
53.	Ecole de Chirugie Dentaire et de Stomatologie de Paris (France)	Diploma	DECD&S. Paris.
54.	University of Sydney, Sydney (Australia)	Bachelor of Dental Surgery Master of Dental Surgery	B.D.S. Sydney. M.D.S. Sydney.
55.	Georgetown University, Washington (U.S.A.)	Doctor of Dental Surgery Master of Surgery in Pedodontia	D.D.S. Georgetown. M.S. (Pedo.) Georgetown.
56.	University of Alabama, Alabama (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry	D.D.S. Alabama. M.S.D. Alabama.
57.	University of Otago, Dunedin C.I. (New Zealand)	Master of Dental Surgery	M.D.S. Otago.
58.	Marquett University, Milwaukee, Wisconsin (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Marquette. M.S. Marquette.
59.	New York University, New York (U.S.A.)	Doctor of Dental Surgery Master of Science in Dentistry	D.D.S.N.Y. M.S.D.N.Y.
60.	University of California, San Francisco (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Calif. M.S. Calif.
61.	University of Missouri at Kansas City, Missouri (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Missouri. M.S. Missouri.
62.	Washington University, St. Louis, Missouri (U.S.A.)	Doctor of Dental Surgery Master of Science	D.D.S. Washington. M.S. Washington.
63.	University of Malaya, Singapore.	Bachlor of Dental Surgery	B.D.S. Malaya.
64.	University of Pittsburg, Pittsburg Pennsylvania (U.S.A.)	Master of Science in Dentistry (Pedodontics)	M.S.D. (Pedo.) Pittsburg.
65.	University of Alabama in Birmingham (U.S.A.)	Master of Science Degree in Pathology (Oral Pathology)	M.S.D. (Oral Path.) Birmingham.
66.	Karolinska Institute School of Dentistry, Stockhom, Sweden	Doctor of Odentology	Dr. Odont. Karolinska.
67.	Westphalia Wilhems University, Muñstor (Germany)	Doctor of Dental medicine	Dr. Med. Dant.. Westphalia Wilhems.

1	2	3
68. University of Queensland, Australia	Master of Dental Science—Oral Biology (Oral Histology and Oral Pathology)	M.D.Sc. (Oral Bio. Oral Histo. and Oral Path) Queensland.
69. Boston University, Boston, Massachusetts (U.S.A.)	Master of Science—Orthodontics	M.Sc.D. Orth. Boston.
70. Georgetown University, Washington, DC. (U.S.A.)	Master of Science (Orthodontics)	M.S. (*Ortho.*) Georgetown.
71. Moscow Medical Stomatological Institute, Moscow (U.S.S.R.)	Diploma in Stomatology	Dip. Stom. Moscow.
72. Dhaka University, Dhaka (Bangla Desh).	Bachelor of Dental Surgery	B.D.S. Dhaka.
73. University of Ibaden Nigeria	Bachlor of Dental Surgery when guaranted on or after 1980	BDS. Ibadan.
74. University of North Carulina Hill, U.S.A.	Master of Public Health	MPH (North) Carolina
75. University of Khartown, Sudan	Bachelor of Dental Surgery (When Granted on or after 15th Nov., 1989.	BDS Khartown.

Ayurvedic Drug to Treat Diabetes

1140. SHRI BANGARU LAXMAN:
SHRI P. PRABHAKAR REDDY:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether the Indian medical scientists have successfully tested Vijayasa, an Ayurvedic drug, to treat diabetes which has no side effects;

(b) if so, the details thereof;

(c) whether the drug is proposed to be marketed internationally; and

(d) if so, the steps being taken in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI DALIT EZHILMALAI): (a) and (b) The drug Vijayasar (Petrocarpus marsupium) heartwood has been used by Ayurvedic Physicians in the management of Madhumeh (Diabetes mellitus) since ancient times. Indian Council of Medical Research (I.C.M.R) has undertaken clinical evaluation of Vijayasar in diabetes mellitus.

The results of the trial so far have been quite promising. Vijayasar in a flexible dose open trial undertaken at 4 centres to evaluate the efficacy in the treatment of newly diagnosed or untreated non-insulin dependent diabetes mellitus (NIDDM) cases, has shown promising results. The results of this open trial have been published in July, 1998 issue of the Indian Journal of Medical Research (Vol. 108, 24-29, 1998).

Following the encouraging results, multicentric flexible dose double blind trial of Vijayasar, with tolbutamide control, on NIDDM patients has been initiated and is in progress at Chennai, Cuttak, and Kottayam. This part of the study is expected to be completed shortly.

(c) and (d) The marketing of Vijayasar internationally will depend on the final outcome of the trials, generation of the required data (including experimental) as also the response from the Pharmaceutical industry.